FIG. 1

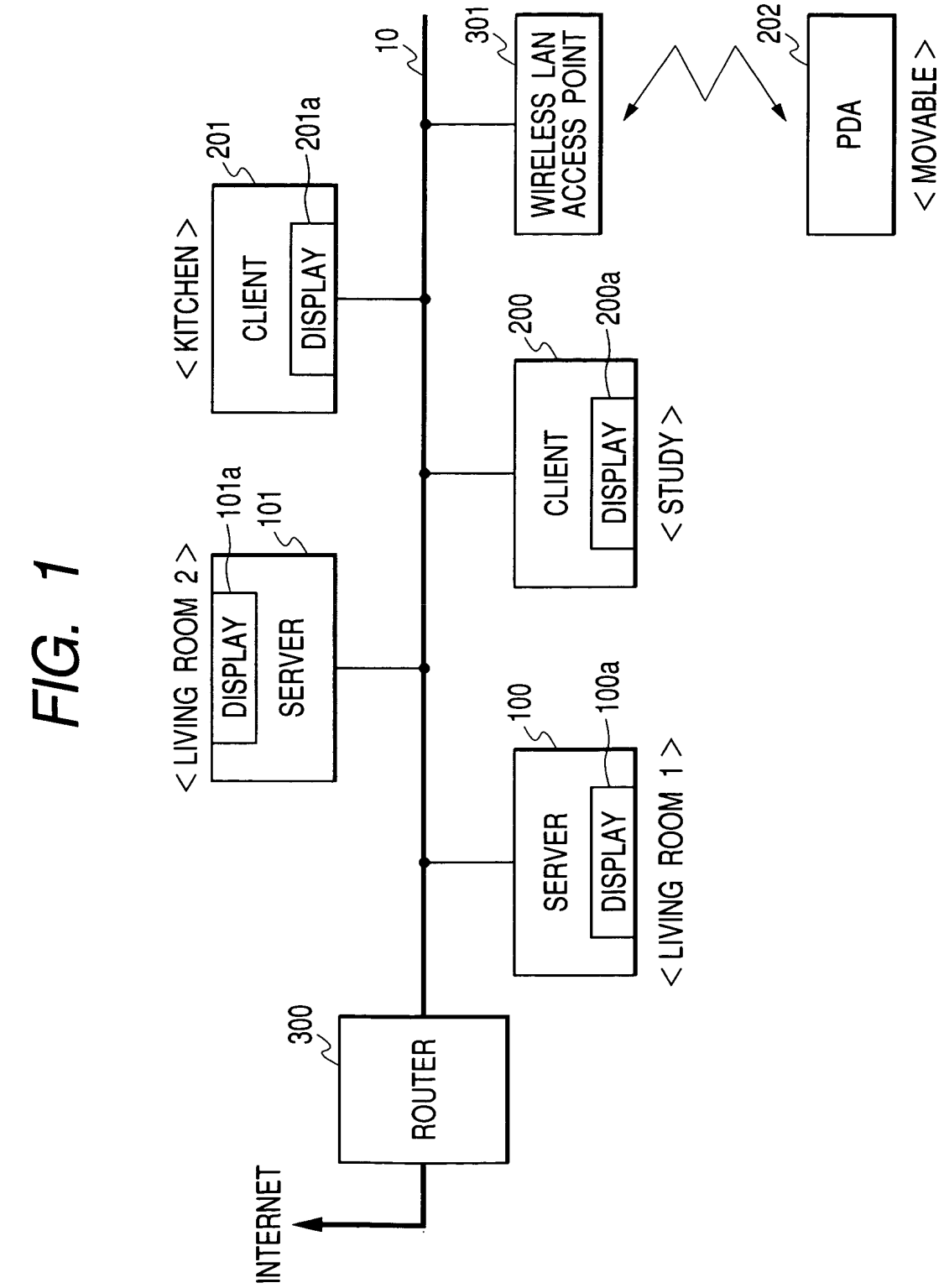

INTERNET
ROUTER
300
10
SERVER
DISPLAY
100
100a
< LIVING ROOM 1 >
CLIENT
DISPLAY
200
200a
< STUDY >
SERVER
DISPLAY
101
101a
< LIVING ROOM 2 >
CLIENT
DISPLAY
201
201a
< KITCHEN >
WIRELESS LAN ACCESS POINT
301
PDA
202
< MOVABLE >

FIG. 2

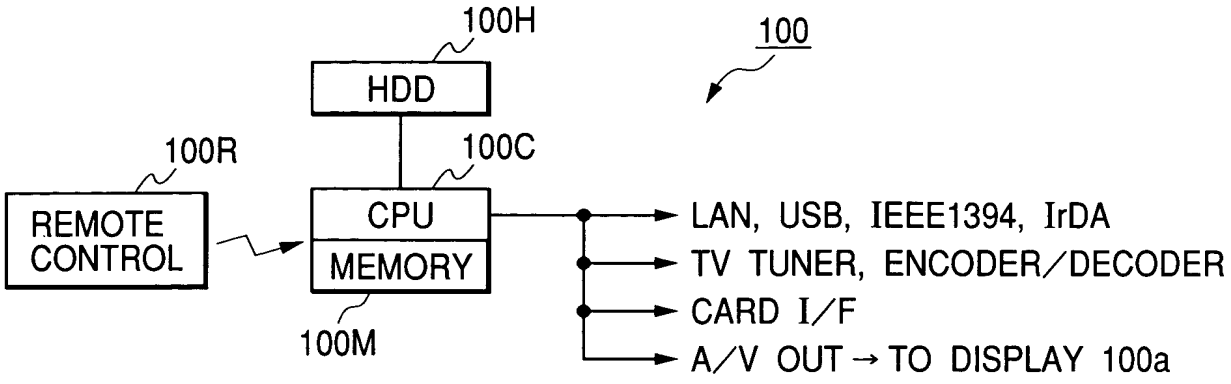

100H
100
HDD
100R
100C
REMOTE CONTROL
CPU
MEMORY
100M
LAN, USB, IEEE1394, IrDA
TV TUNER, ENCODER/DECODER
CARD I/F
A/V OUT → TO DISPLAY 100a

FIG. 3

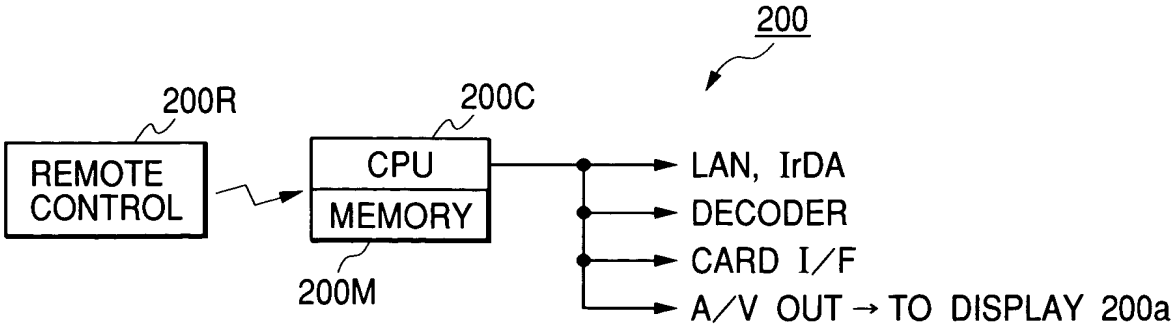

200
200R
200C
REMOTE CONTROL
CPU
MEMORY
200M
LAN, IrDA
DECODER
CARD I/F
A/V OUT → TO DISPLAY 200a

FIG. 4

MACHINE NUMBER	IP ADDRESS	SERVICE TYPE
#100	200.100.100.001	SERVER
#101	200.100.100.002	SERVER
#200	200.100.100.003	CLIENT
#201	200.100.100.005	CLIENT
#202	200.100.100.009	CLIENT

FIG. 5

CONTENTS LIST IN MACHINE #100

aa1

aa2

aa3

⋮

FIG. 6

CONTENTS LIST IN MACHINE #101

bb1

bb2

bb3

⋮

FIG. 7

CONTENTS TITLE : bb2

ADDRESS : #101/MPG/bb2. MP

ADDED INFORMATION : (SINGER'S NAME, GENRE)

FIG. 8

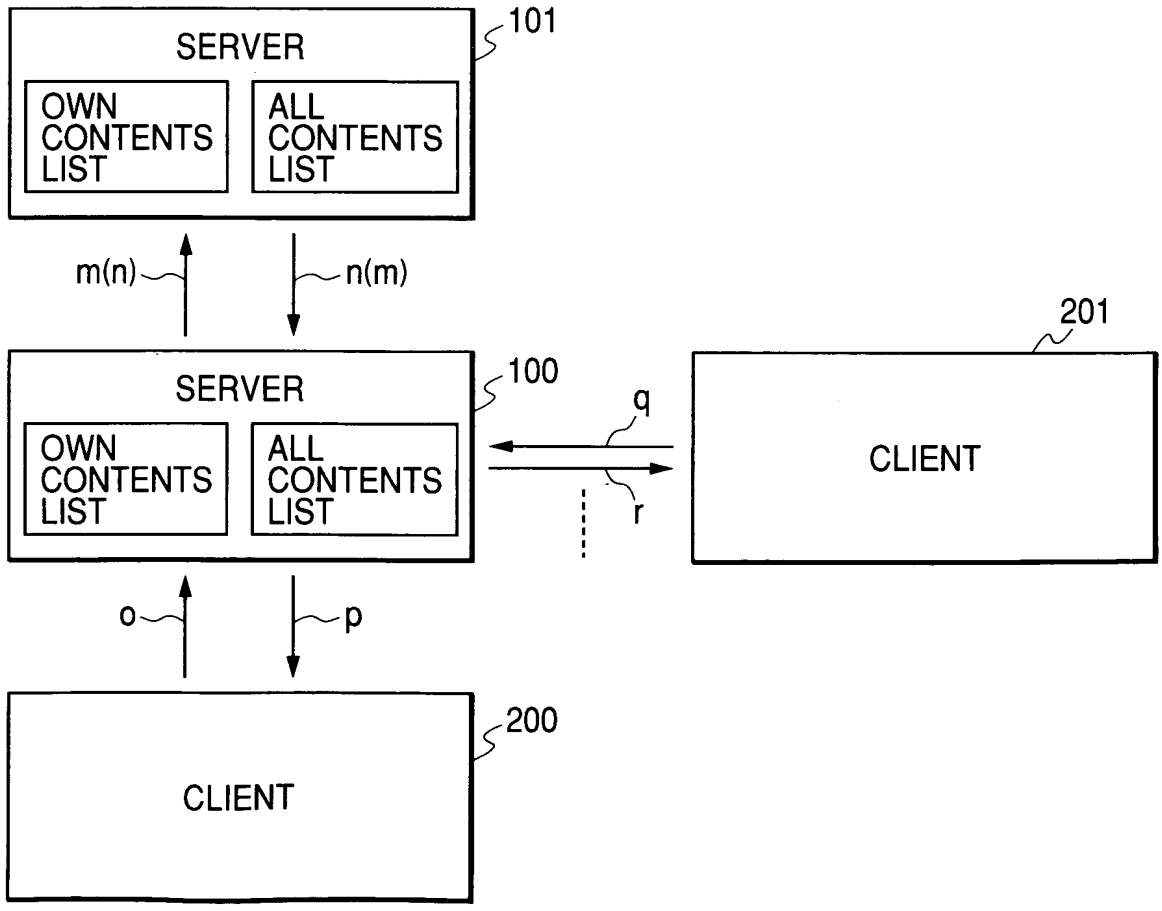


FIG. 9

LIST OF ALL CONTENTS
aa1
bb1
aa2
bb2
aa3
bb3
⋮

FIG. 10

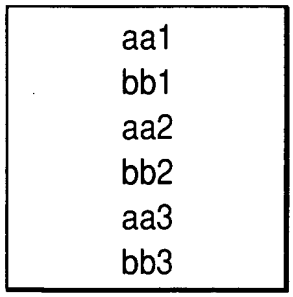


FIG. 11

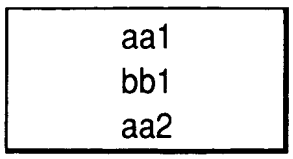


FIG. 12

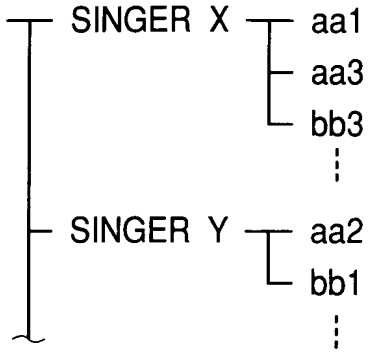


FIG. 13

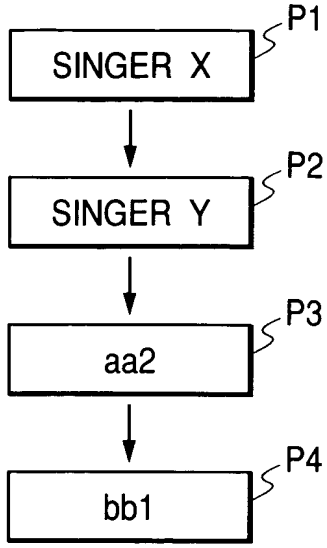


FIG. 14

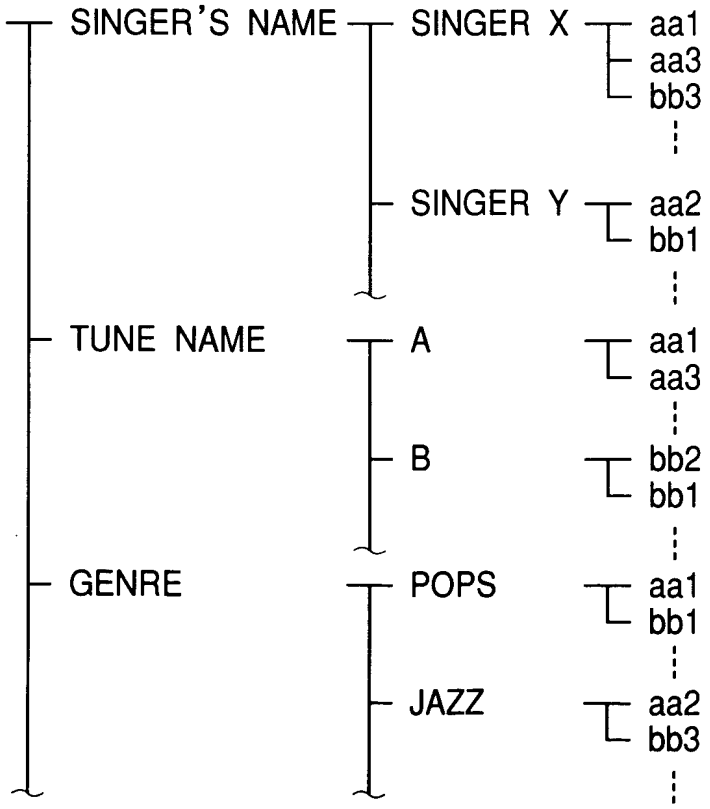


FIG. 15

BM1 : CONTENTS TITLE : bb1

ADDRESS : #101/MPG/bb1. MP

WATCHED AND LISTENED TIME : 01(h) 05(m) 35(s)

BM2 : CONTENTS TITLE : — (UNOCCUPIED)

ADDRESS : —

WATCHED AND LISTENED TIME : —

FIG. 16

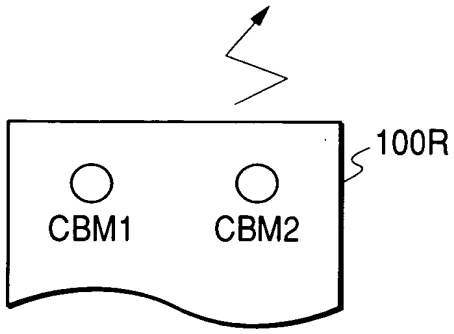


FIG. 17

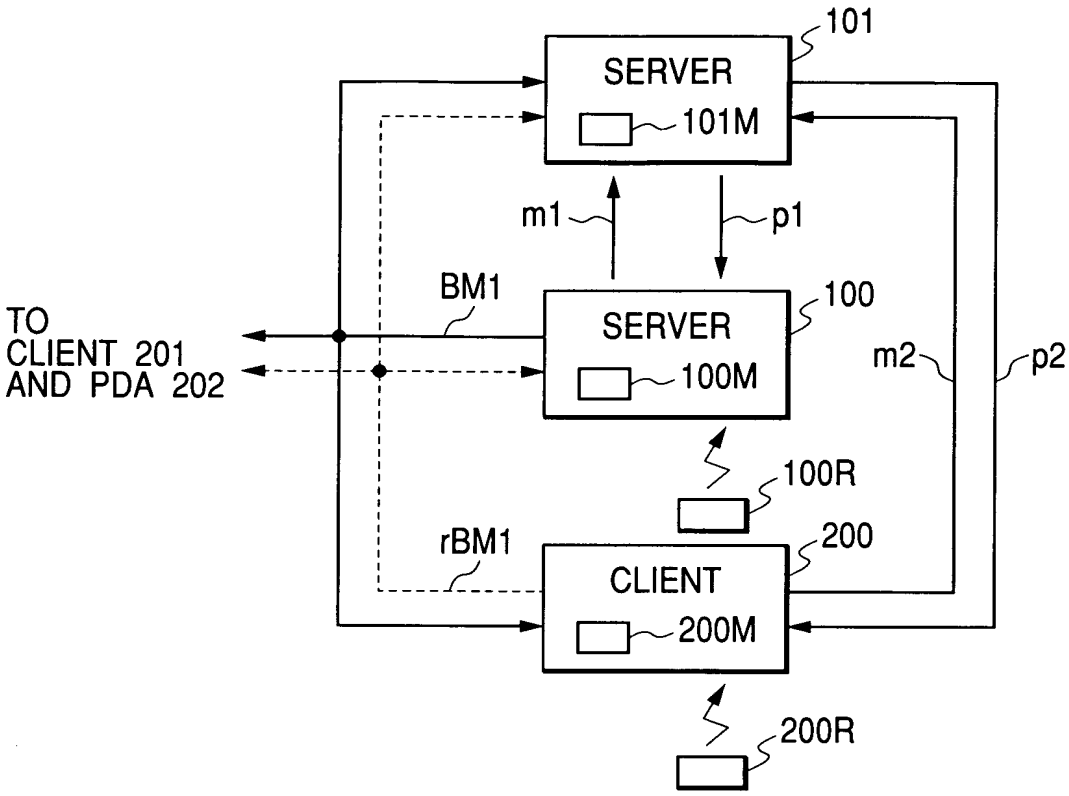

101
SERVER
101M
m1
p1
BM1
100
SERVER
100M
TO
CLIENT 201
AND PDA 202
m2
p2
100R
rBM1
200
CLIENT
200M
200R

FIG. 18

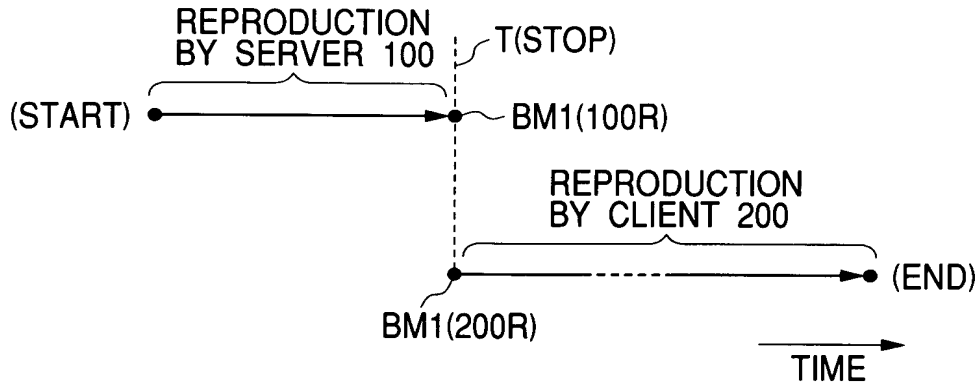

REPRODUCTION
BY SERVER 100
T(STOP)
(START)
BM1(100R)
REPRODUCTION
BY CLIENT 200
(END)
BM1(200R)
TIME

FIG. 19

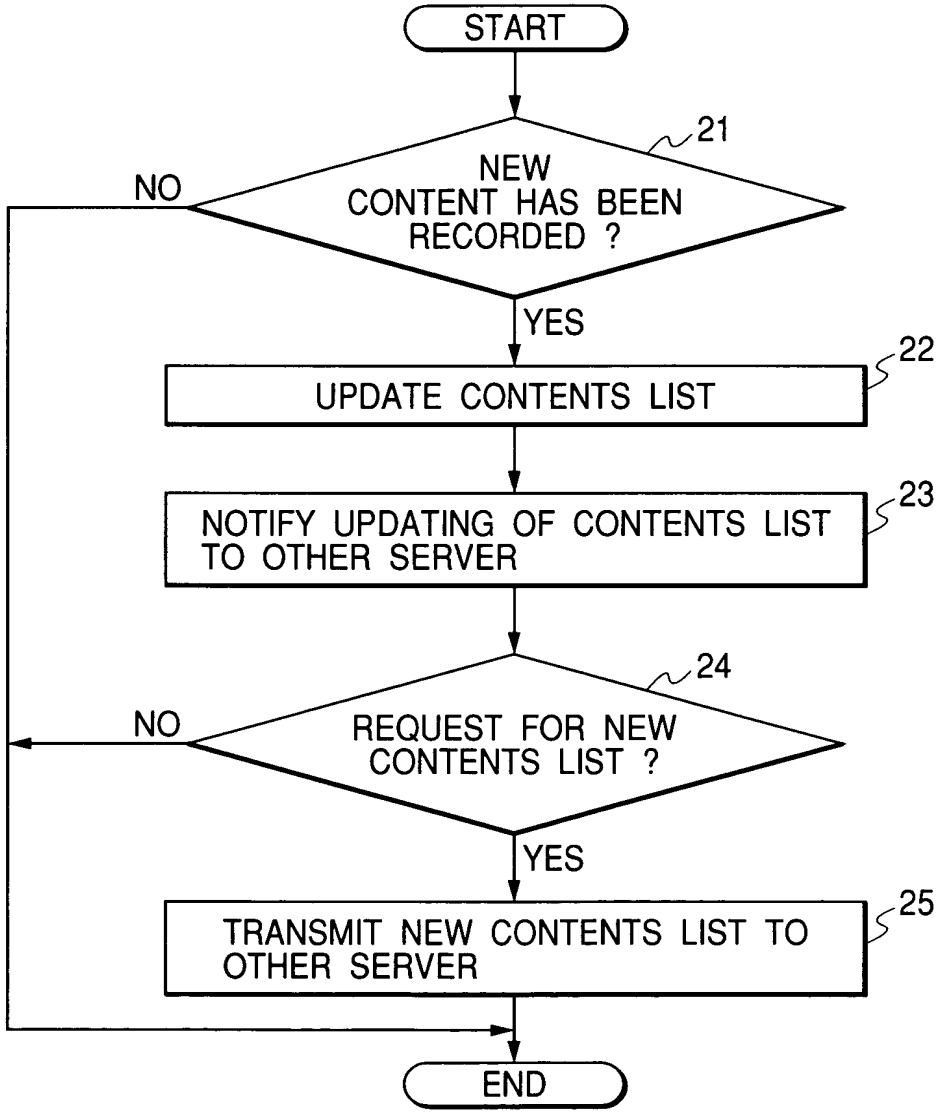

START
21
NEW CONTENT HAS BEEN RECORDED ?
NO
YES
22
UPDATE CONTENTS LIST
23
NOTIFY UPDATING OF CONTENTS LIST TO OTHER SERVER
24
REQUEST FOR NEW CONTENTS LIST ?
NO
YES
25
TRANSMIT NEW CONTENTS LIST TO OTHER SERVER
END

FIG. 20

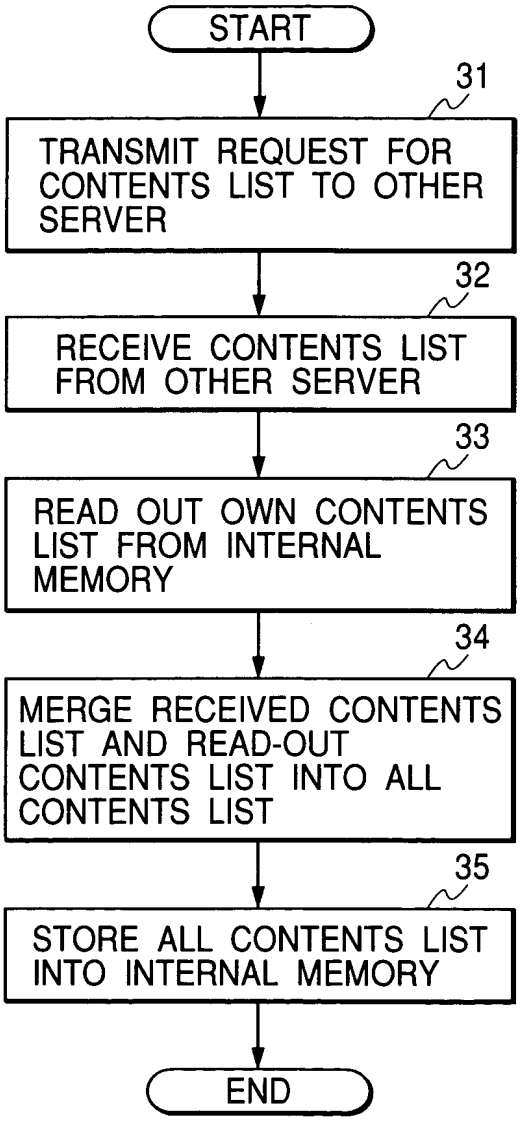

START
31
TRANSMIT REQUEST FOR CONTENTS LIST TO OTHER SERVER
32
RECEIVE CONTENTS LIST FROM OTHER SERVER
33
READ OUT OWN CONTENTS LIST FROM INTERNAL MEMORY
34
MERGE RECEIVED CONTENTS LIST AND READ-OUT CONTENTS LIST INTO ALL CONTENTS LIST
35
STORE ALL CONTENTS LIST INTO INTERNAL MEMORY
END

FIG. 21

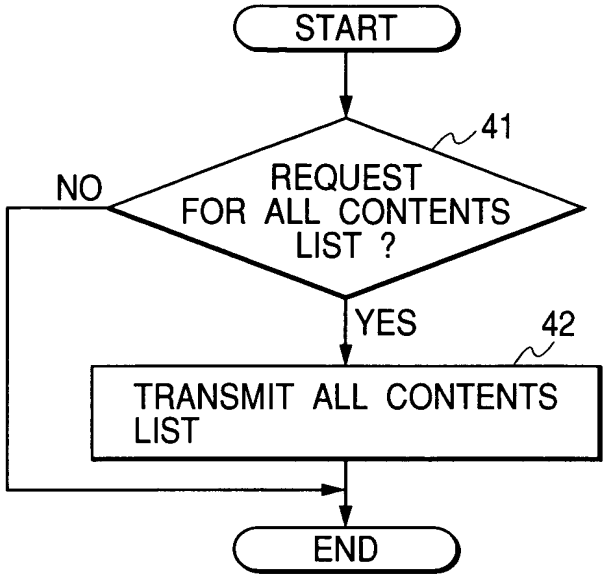

START
41
REQUEST FOR ALL CONTENTS LIST ?
NO
YES
42
TRANSMIT ALL CONTENTS LIST
END

FIG. 22

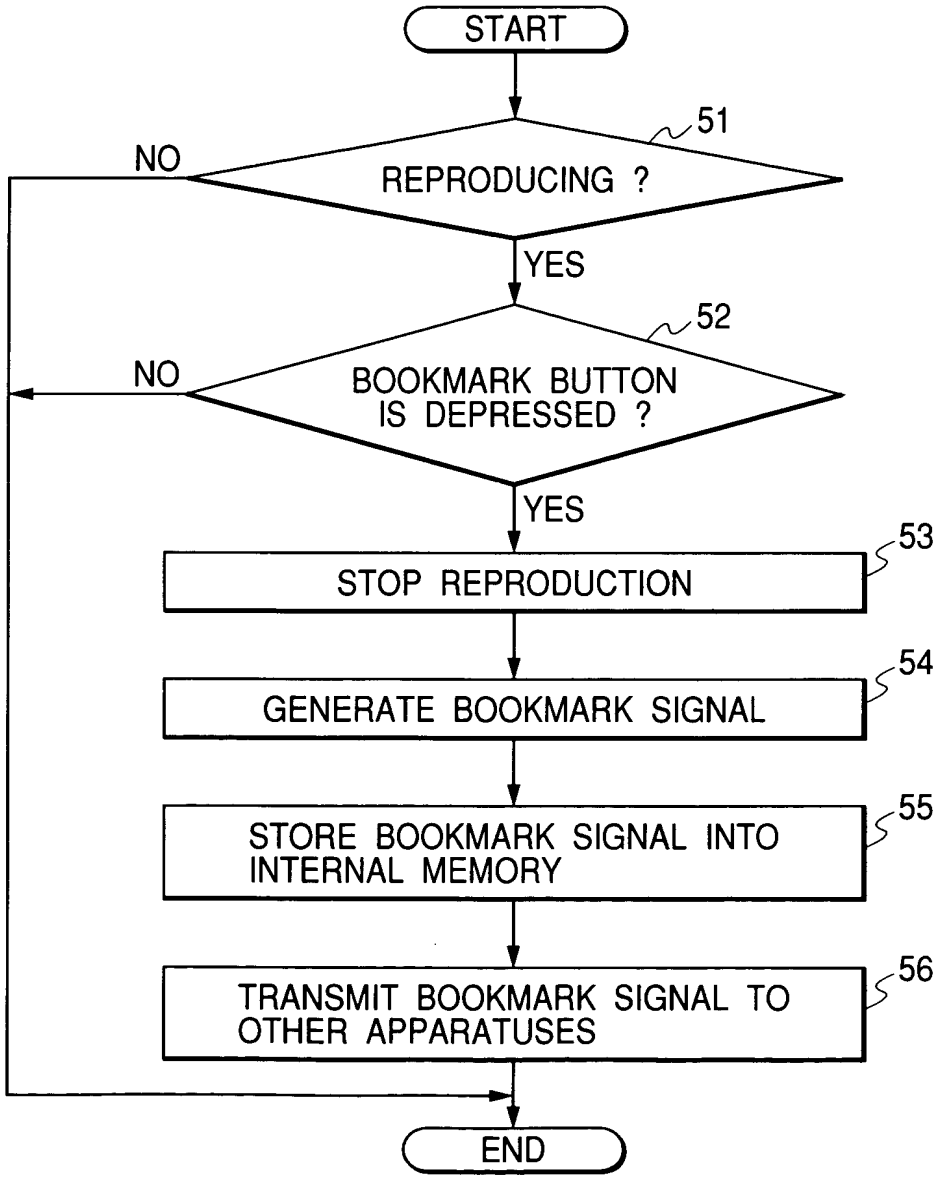
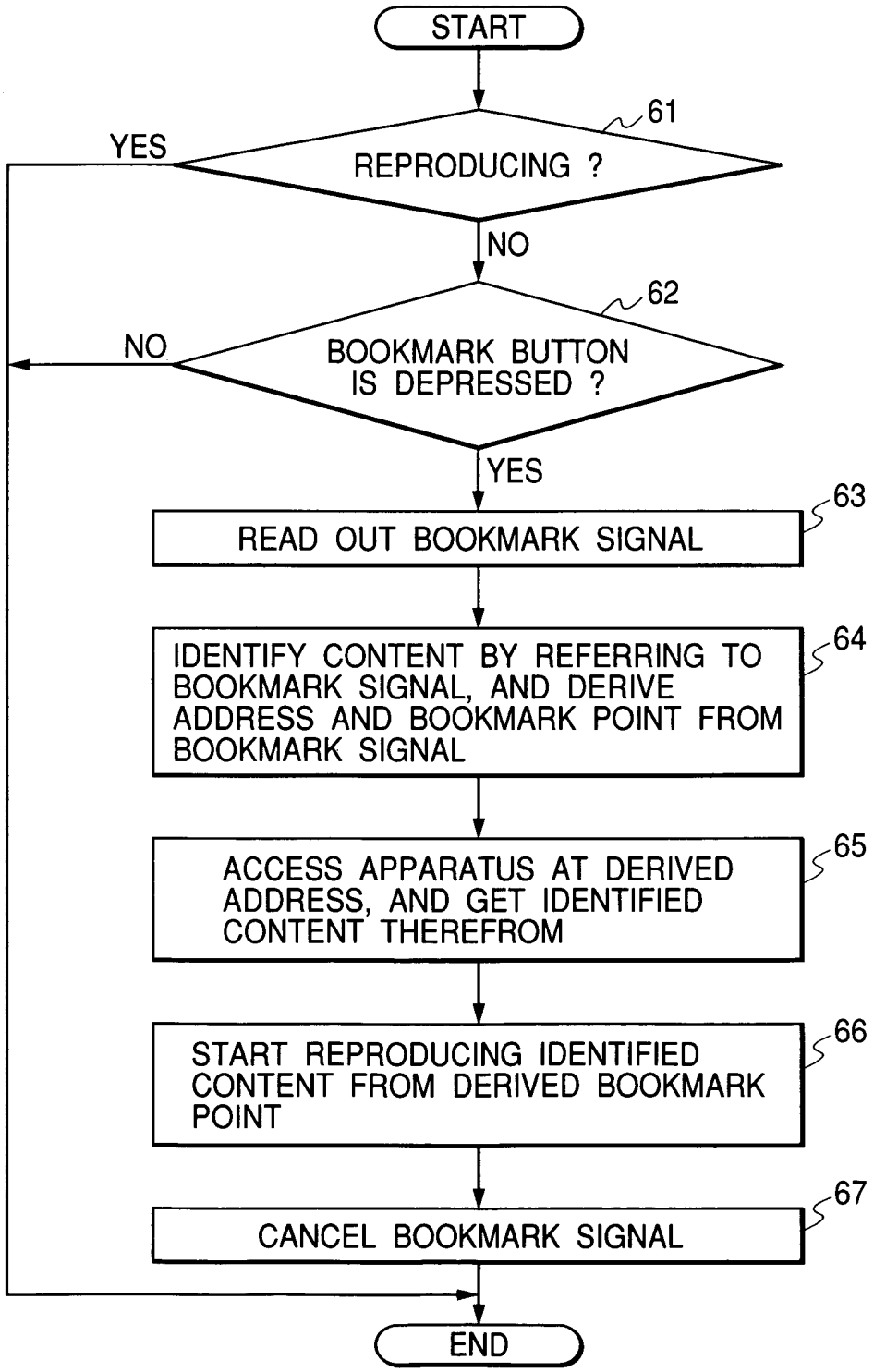

START
51
REPRODUCING ?
NO
YES
52
BOOKMARK BUTTON IS DEPRESSED ?
NO
YES
53
STOP REPRODUCTION
54
GENERATE BOOKMARK SIGNAL
55
STORE BOOKMARK SIGNAL INTO INTERNAL MEMORY
56
TRANSMIT BOOKMARK SIGNAL TO OTHER APPARATUSES
END

FIG. 23


START
61
YES
REPRODUCING ?
NO
62
NO
BOOKMARK BUTTON IS DEPRESSED ?
YES
63
READ OUT BOOKMARK SIGNAL
64
IDENTIFY CONTENT BY REFERRING TO BOOKMARK SIGNAL, AND DERIVE ADDRESS AND BOOKMARK POINT FROM BOOKMARK SIGNAL
65
ACCESS APPARATUS AT DERIVED ADDRESS, AND GET IDENTIFIED CONTENT THEREFROM
66
START REPRODUCING IDENTIFIED CONTENT FROM DERIVED BOOKMARK POINT
67
CANCEL BOOKMARK SIGNAL
END